Active Recombinant Mouse IGF1R Protein, His-tagged

Cat. No. IGF1R-22M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IGF1R Protein (Met1-His936) was expressed in CHO cells with C-terminal His tag. This protein is covalently-linked heterotetramers (2 alpha and 2 beta subunits) & covalently-linked single chain homodimers.
Species	Mouse
Source	CHO
ProteinLength	1-936 a.a.
Form	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured by its binding ability in a functional ELISA. When rmIGF-IR is present at 0.5 μg/mL, the concentration of rmIGF-I that produces 50% of the optimal binding response is found to be approximately 25-100 ng/mL.
Molecular Mass	104.5 kDa (single chain), 80.7 kDa (alpha subunit) & 23.2 kDa (beta subunit)
Endotoxin	<0.01 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Storage at -20 to -70 centigrade.
Reconstitution	Reconstitute at 100 μg/mL in PBS containing at least 0.1% human or bovine serum

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GENE INFORMATION

Gene Name	Igf1r insulin-like growth factor I receptor [Mus musculus]
Official Symbol	IGF1R
Synonyms	IGF1R; insulin-like growth factor I receptor; insulin-like growth factor 1 receptor; line 186; IGF-I receptor; hyft; CD221; IGF-1R; D930020L01; A330103N21Rik;
Gene ID	16001
mRNA Refseq	NM_010513
Protein Refseq	NP_034643

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